

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/105836 A1

(51) International Patent Classification⁷: A61K 31/4045,
C07D 209/16

Pradesh (IN). PRASAD, Achampeta, Kodanda, Ram
[IN/IN]; 7-1-27 Ameerpet, Hyderabad, Andhra Pradesh
500 016, Madhya Pradesh (IN).

(21) International Application Number: PCT/US03/19004

(74) Agent: CORD, Janet, I.; Ladas & Party, 26 West 61st
Street, New York, NY 10023 (US).

(22) International Filing Date: 12 June 2003 (12.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

451/MAS/02 13 June 2002 (13.06.2002) IN
452/MAS/02 13 June 2002 (13.06.2002) IN

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(71) Applicants (*for all designated States except US*): DR.
REDDY'S LABORATORIES LIMITED [IN/IN];
7-1-27 Ameerpet, Hyderabad, Andhra Pradesh 500 016,
Madhya Pradesh (IN). DR. REDDY'S LABORATO-
RIES, INC. [US/US]; One Park Way, Upper Saddle River,
NJ 07458 (US).

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): REDDY, Manne,
Satyanarayana [IN/IN]; 7-1-27 Ameerpet, Hyderabad,
Andhra Pradesh 500 016, Madhya Pradesh (IN). RAJAN,
Srinivasan, Thirumalai [IN/IN]; 7-1-27 Ameerpet, Hy-
derabad, Andhra Pradesh 500 016, Madhya Pradesh (IN).
MURTHY, Mokkarala, Suryanarayana [IN/IN]; 7-1-27
Ameerpet, Hyderabad, Andhra Pradesh 500 016, Madhya

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 03/105836 A1

(54) Title: 3-(2-(Dimethylamino) ethyl)-N-methyl-1H-indole-5-methanesulfonamide and the Succinate Thereof

(57) Abstract: A process for the preparation of highly pure Sumatriptan is described. A process for the preparation of novel crys-
talline Form I and crystalline Form II of Sumatriptan succinate is described. Sumatriptan is used for alleviating the pain of migraine
headaches.